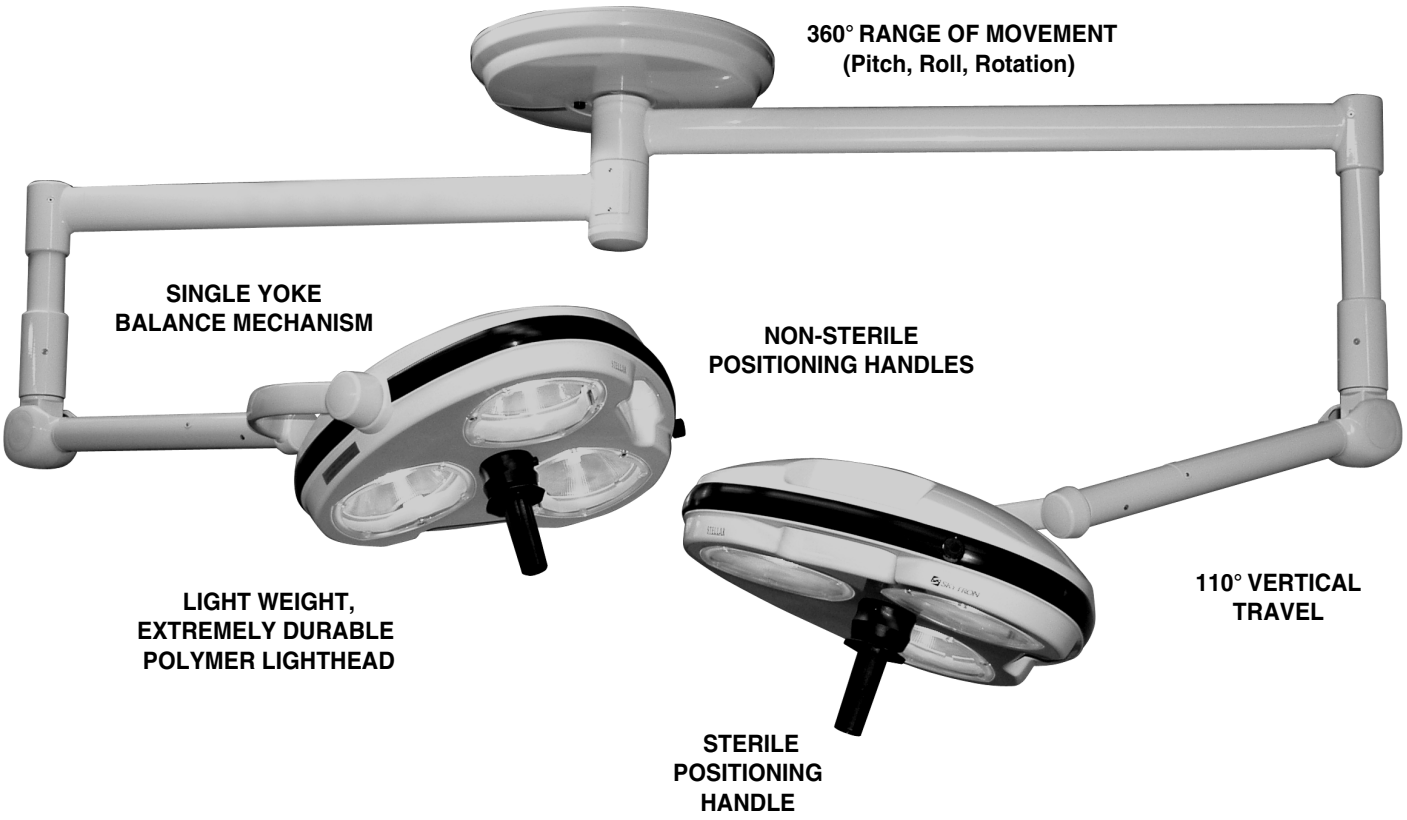
SKYTRON

ST1919

STELLAR SERIES • SURGICAL LIGHTS



INTRODUCTION

SKYTRON's Stellar Series Surgical Lighting provides advanced fixed focus optics within exceptionally durable, lightweight polymer lightheads, creating the perfect balance of performance, maneuverability and dependability. The Vertical Segmented Reflector optics provide shadow controlled illumination and a generous field size. Typical applications include ASC ORs, Labor & Delivery, Exam Treatment and Emergency rooms.

TECHNICAL DATA

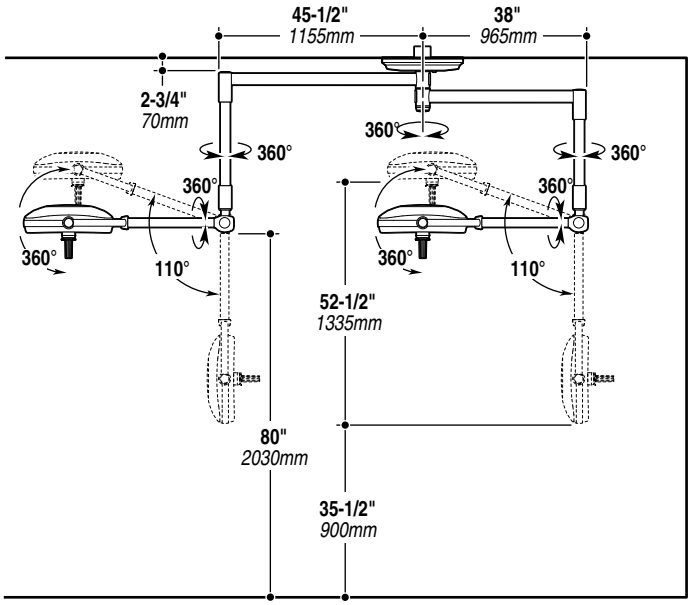
Electrical: 120V, 60 Hz, 1 phase
Power Consumption: 300watts (1,020 BTU/hr)
Amperage: Approximately 3.5 amps, fuse protected.
Intensity: 193,600 lux (18,000 fc)
Color Temperature: 4,000K
Beam Temperature: Less than 25,000 microwatts per cm^2 as recommended by the I.E.S. handbook.
Current Leakage: Less than 30 microamps
Bulb Type: Halogen 24V/50W.
Fixture Weight: 124 lbs.
Moment Load: 485 ft. lbs.

ARCHITECTURAL SPECIFICATIONS

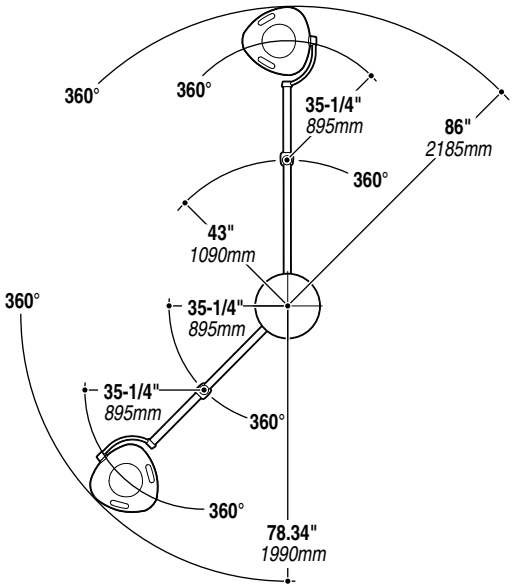
Surgical lighting system shall consist of two radial arm mounted 19" lightheads. Each lighthead to be equipped with a sterilizable center positioning handle and two non-sterile positioning handles. Total system output is to be 193,600 lux (18,000 foot-candles) at a color temperature of 4,000K. System is to be designed with three Halogen bulbs in each lighthead to operate at 18.5V to 20.5V, 50W. Bulb life is protected by SKYTRON's Sof-Start System. Lighthead mounted intensity control provides adjustment and ON/OFF control. The system shall be SKYTRON Model ST1919.

ST1919

ELEVATION VIEW

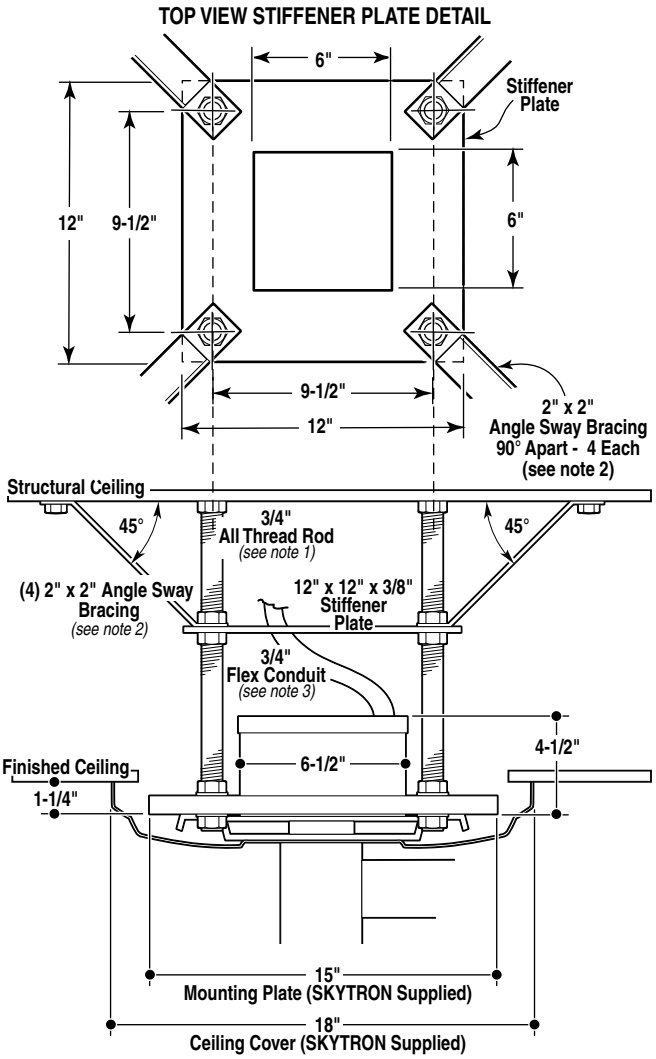


PLAN VIEW



MOUNTING STRUCTURE GUIDELINE

(Provided by others)



NOTES

1. 3/4" support rods located for total support of light, all labor and materials for fabrication supplied by General Contractor. 3/4" nuts and washers for support of SKYTRON mounting plate supplied by contractor (8ea. required).
2. The mounting structure must be braced to allow no more than 2 degrees of rotation.
3. All conduit, wiring, and other electrical materials as well as installation labor for the SKYTRON surgical light to be provided by Electrical Contractor. All installations of SKYTRON surgical lights should be under the direct supervision of a SKYTRON representative. All wiring to be in accordance with local codes.
4. CONTRACTOR HAS FINAL RESPONSIBILITY for the strength and stability of the Mounting Structure.
5. **Minimum ceiling height: 8'-5".** Consult your SKYTRON representative for lower ceiling heights and special applications.

Typical Mounting Structure Depicted.

Consult Specific Seismic Calculations if Applicable.

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